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इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2
[PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
[Notifications and Notices Issued by the Patent Office relating to Patents and Designs]

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Calcutta, the 22nd May 1993

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पेटेंट कार्यालय

एकत्व तथा अभिकल्प

कलकत्ता, दिनांक 22 मई 1993

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ता में अवस्थित है तथा बम्बई, दिल्ली एवं मद्रास में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जोन के आधार पर निम्न रूप में प्रदर्शित हैं :—

पेटेंट कार्यालय शाखा, टोडी इस्टेट,
तीसरा तल, लोअर परेल (पश्चिम),
बम्बई-400013 ।

गुजरात, महाराष्ट्र तथा मध्य प्रदेश राज्य क्षेत्र एवं संघ शासित क्षेत्र गोआ, दमन तथा दीव एवं दादरा और नगर हवेली ।

तार पता—"पेटोफिस"

पेटेंट कार्यालय शाखा,
एकक सं. 401 से 405, तीसरा तल,
नगरपालिका बाजार भवन,
सरस्वती मार्ग, करोल बाग,
नई दिल्ली-110005 ।

हरियाणा, हिमाचल प्रदेश, जम्मू तथा कश्मीर, पंजाब, राजस्थान तथा उत्तर प्रदेश राज्य क्षेत्रों एवं संघ शासित क्षेत्र चंडीगढ़ तथा दिल्ली ।

तार पता—"पेटेंटोफिक"

पेटेंट कार्यालय शाखा,
61, वालाजाह रोड,
मद्रास-600002 ।

आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु राज्य क्षेत्र एवं संघ शासित क्षेत्र पाण्डिचेरी, लक्षद्वीप, मिनिकाय तथा एमिनिदिवि द्वीप ।

तार पता—"पेटोफिस"

पेटेंट कार्यालय (प्रधान कार्यालय),
निजाम पैलेस, द्वितीय बहुतलीय कार्यालय,
भवन 5, 6 तथा 7वां तल,
234/4, आचार्य जगदीश बोस रोड,
कलकत्ता-700020 ।

भारत का अवशेष क्षेत्र ।

तार पता—"पेटेंट्स"

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 में अपेक्षित सभी आवेदन पत्र, सूचनाएं, विवरण या अन्य प्रलेख पेटेंट कार्यालय के केवल उपयुक्त कार्यालय में ही प्राप्त किए जाएंगे।

शुल्क :—शुल्कों की अदायगी या तो नकद की जाएगी अथवा उपयुक्त कार्यालय में नियंत्रक को भुगतान योग्य धनादेश अथवा डाक आदेश या जहां उपयुक्त कार्यालय अवस्थित है; उस स्थान के अनुसूचित बैंक से नियंत्रक को भुगतान योग्य बैंक ड्राफ्ट अथवा चैक द्वारा की जा सकती है ।

CORRIGENDUM

In the Gazette of India Part III, Sec. 2, dated the 12 January, 1991 page-42, Col. 1, for application for Patent No. 84/Cal/88 filed on 1st February 1988 read the applicants as MENZOLIT GMBH. instead of MENZOLIT GOBH.

In the Gazette of India Part III, Sec. 2, dated the 19th January, 1991, page-63, Col. 1, for application for for Patent No. 1059/Del/87 filed on 10th December, 1987 read the applicants as PFIZER INC., instead of PKIZER INC.

In the Gazette of India Part III, Sec. 2, dated the 26th January, 1991, page-142, Col. 1, for application for Patent No. 339/Del/86, filed on 15th April, 1986 read the applicants as IMPERIAL CHEMICAL INDUSTRIES PLC. instead of IMPERIAL CHEMICAL INDUSTRIES PLG.

In the Gazette of India Part III, Sec. 2, dated the 2nd February, 1991 page-153, Col. 1, for application for Patent No. 650/Mas/86, filed on 12th August, 1986, read the applicants as CIBA-GEIGY AG. instead of CIBA-GEICY AG.

In the Gazette of India, Part III, Sec. 2, dated the 16th February, 1991 page-220, Col. 1, for application for Patent No. 132/Del/85 filed on 18th February, 1985 read the applicants as EXXON RESEARCH AND ENGINEERING COMPANY instead of EXXON RESEARCH AND ENGINEERING OMPANY.

In the Gazette of India Part III, Sec. 2, dated the 23rd February, 1991 (a) In page-245, Col. 1, for application for Patent No. 945/Cal/87 filed on 2nd December, 1987 read the applicants as HOECHST AKTIENGESELLSCHAFT instead of HOECHEST AKTIENGESELLSCHAFT.

(b) In page-250, Col. 2, for application for Patent No. 979/Cal/87 filed on 16th December, 1987 read the applicants as LANXIDE TECHNOLOGY COMPANY. L.P. instead of LANXIDE TECHNOLOGY COMPANY LTD.

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE 234/4, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-20

The dates shown in the crescent bracket are the dates claimed under Section 135, of the Patent Act, 1970.

The 6th April 1993

191/Cal/93. Preeti Mathur. An improved sensor for taut wire fence intrusion detection.

192/Cal/93 Spectrum information technologies, inc. Programmable universal modern system and method for using the same.

193/Cal/93. Friz Stahlecker and Hans Stahlecker. A drafting unit for spinning machines.

194/Cal/93. Friz Stahlecker and Hans Stahlecker. a holding arrangement for spinning or twisting spindles.

195/Cal/93. Spindle fabrik Sussen. A gearing for a ring spinning or ring twisting machine.

196/Cal/93. Elilily and Company. Process for preparing 7-substituted-Amino- 3 -Hydroxy-3-Cephem-4-protected carboxy-sulfoxide esters.

The 7th April 1993

197/Cal/93. Chen Ching and Mu-Yen, Lung. A high temperature steam and soft water retrieving trough for a boiler.

198/Cal/93. Laboratorios dalmer Sa. Methods for manufacturing mixture of higher aliphatic alcohols for pharmaceutical compositions.

199/Cal/93. Union carbide India Limited. An improved torch light with cartridge. [Divided out of No. 222/Cal/90 dated 16-03-90].

200/Cal/93. Optical & Textile Limited. Lighting apparatus. Convention No. 9208338.5; dated 15/04/92; U.K. and No. 9213193.6; dated 02/07/92; U.K.

201/Cal/93. Siemens Aktiengesellschaft. Cellular Mobile Radiotelephone system.

202/Cal/93. Degussa Aktiengesellschaft. A process for the separation of catalyst-free working solution from the hydrogenation circuit of the anthraquinone process for the production of hydrogen peroxide.

The 8th April 1993

203/Cal/93. Keravision inc. Corneal vacuum centering guide and dissector.

204/Cal/93. Comvik GSM AB. Method in telephone systems.

(Convention No. 242 272 filed on 08-04-92; New Zealand).

205/Cal/93. Comvik Gsm AB. Method for Personalisation of an active card. (Convention No. 244 523 dated 28-09-1992; New Zealand).

206/Cal/93. Hoechst Celanese Corporation. A fiber reactive monoazo Yellow dye.

207/Cal/93. Emag-Maschinen Vertriebs-und Service GmbH. Machining centre constructed from assemblies.

The 12th April 1993

208/Cal/93. E.I. Du Pont De Nemours and Company. Aramid fabric for garments of improved comfort.

209/Cal/93. Walter AG. Numerically Controlled grinding machine for grinding preferably metallic workpieces, in particular, tools.

210/Cal/93. Baylor College of medicine. Production of recombinant human lactoferrin.

211/Cal/93. Saber Equipment corporation. Fuel vapor recovery system.

The 13th April 1993

212/Cal/93. A Menarini Industrie Farmaceutiche Riunite S.r.l. Laboratori Guidotti S.p.A. and Malesci-Istituto Farmacobiologico S.p.A. Tachiquinine Antagonist tricyclic compounds, preparation of same and pharmaceutical compositions containing such compounds.

213/Cal/93. Bend Research Inc. Hydrogen-permeable composite metal membrane and uses thereof.

214/Cal/93. Trutzschler GmbH. & Co. Kg. Cover bar for a carding machine.

The 15th April 1993

215/Cal/93. Franz Plasser Bahnbaumaschinen-industriegesellschaft m.b.H. A ballast plough.

216/Cal/93. Coachline video Express pty. Ltd. Signal distribution system. (Convention Nos. PL1958 and PL2976; dated 15/04/92 and 15/06/92; both are Australia).

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, 1, WALLAJAH ROAD, MADRAS-600 002.

The 15th March 1993

183/Mas/93. S. Vijaya Lakshmi. Creative elemntary kit for kids.

184/Mas/93. Akzo Faser AG and Fried Krupp-Hoesch. Housing for the Ballistic Protection of persons and/or objects.

185/Mas/93. SONY CORPORATION. Storage Container for mini-disk cartridges.

The 16th March 1993

166/Mas/93. Waeschle Maschinenfabrik GmbH.A bucket wheel sluice for granulated loose material.

187/Mas/93. Lonza Ltd. A process for producing aromatic, nitrogen containing, heterocyclic carboxylic acid chlorides.

188/Mas/93. Henkel Kommanditgesellschaft auf Aktien; Groffe Jacques and Rouet Jean. Use of selected inhibitors against the formation of solid organo-based incrustation from fluid hydrocarbon mixtures.

The 17th March 1993

189/Mas/93. Pharma-Plast International A/S. Urine bag with suspension means.

190/Mas/93. Maschinenfabrik Rieter AG. Suction device for contaminations in a textile machine.

191/Mas/93. Institute Francais Du Petrole. A continuous process for the dehydrogenation of paraffinic to olefinic hydrocarbons.

The 18th March 1993

192/Mas/93. Mohan A. Menon. Chalk cryon/slate pencil holder or pen chalk/state pen.

193/Mas/93. A E Staley Manufacturing Company. Integrated process for producing crystalline fructose.

194/Mas/93. Robin Jo and Royees Jo. Improved pressure cooker assembly.

195/Mas/93. C. Raja Reddy. An improved solar heat recycling still, a method of purifying contaminated fluids using the same, and fluids purified by the said method.

The 19th March 1993

196/Mas/93. Minnesota Mining and Manufacturing Company. Sheet material used to form portions of fasteners. (Divisional to Patent Application No. 136/Mas/89).

197/Cal/93. SMS Schloemann-Siemag Aktiengesellschaft. Apparatus and method for forming of a wide side wall for a chill mold intended for a thin slab casting installation.

198/Mas/93. DSM N.V. Non-woven layer consisting substantially of short polyolefin fibres.

The 22nd March 1992

199/Mas/93. T. Muthu. A toy game.

200/Mas/93. Kukkemane Chittaranjan Bhatt. An automatic self-resetting timing circuit.

201/Mas/93. Omitrac Corporation. Traction enhancing device including flexible frame means for agricultural wheeled tractors and the like.

202/Mas/93. Vontech International Corporation. Interground Fiber Cement.

203/Mas/93. Oclassen Pharmaceuticals, Inc. Compositions for the treatment of infection and disease caused by hepatitis B virus (HBV).

23rd March, 1993

204/Mas/93. Philip Morris Products Inc.. Reconstituted tobacco sheets and methods for producing and using the same

205/Mas/93. Eurafrica Videomatic S R L. Indicating device capacially for indicating the state of pressure of a tyre.

The 24th March 1993

206/Mas/93. BASF Aktiengesellschaft. Catalyst systems for the polymerization of C_2-C_{10}-alk-1-enes.

207/Mas/93. Pilkington PLC. Glass melting. (March 30, 1992; United Kingdom).

208/Mas/93. Institut Francais Du Petrole. Surbased colloidal products containing organic sulfur and their use as detergent additives having an antiwear and extreme-pressure effect in lubricating oils.

209/Mas/93. BASF Aktiengesellschaft. Reusable nylon 6 container as packaging material for caprolactam.

210/Mas/93. Oliver Rex Anto Emmanuel. Aircraft with novel maneouvering and airflow control means.

The 26th March, 1993

211/Mas/93. S. Prasanna Kumar. Pedaling car drive mechanism.

212/Mas/93. Sjoerd Meijer. Hydraulic device with synchronous jacs.

213/Mas/93. National Research Development Corporation. Contact lens cast moulding. (November 2, 1988; United Kingdom). (Divisional to Patent Application No. 798/Mas/89; Ante-dated to 1st Nov., 1989).

214/Mas/93. Tidy Tea Limited. Packages for infusable substances. (March 27, 1992; Great Britain).

The 29th March 1993

215/Mas/93. Dakshin Transtek Private Limited. An electric point machine.

216/Mas/93. Kansai Paint Co. Ltd.. A cationically electrodepositable paint. (Divisional to Patent Application No. 671/Mas/89).

217/Mas/93. Institut Francais Du Petrole. Process for the selective hydrogenation of hydrocarbons.

218/Mas/93. Institut Francais Du Petrole. Catalyst containing a group VIII metal and a group IIIA metal deposited on a support.

219/Mas/93. John Crane Inc. Secondary seal for gas turbines.

220/Mas/93. Henkel Corporation. Composition and process for treating metal.

The 30 March 1993

221/Mas/93. Aparna Chemisearch. A catalytic process for molecular restructuring of hydrocarbone.

222/Mas/93. Institut Francais du Petrole. Exhaust line with catalyst for two-stroke internal-combustion engines.

223/Mas/93. Research Institut for Production Development and Mitsui & Co., Ltd. Method of removing aromatic compounds from hydrocarbon oil.

224/Mas/93. Union Oil Company of California. Recovery of cerium from fluoride-containing ores.

225/Mas/93. Rounert Mechanical Systems Limited. Transmitting rotary power.

226/Mas/93. Rockwell International Corporation. Improved efficiency driver system for piczoelectrics.

227/Mas/93. Asea Brown Boveri Ltd. Method of operating a gas turbine group.

The 31st March 1993

228/Mas/93. Maschinenfabrik Rieter AG. Method for monitoring and correcting sequences of movements of moved elements and a bobbin winding machine with an apparatus for monitoring and correcting sequences of movements of moved elements.

229/Mas/93. Maschinenfabrik Rieter AG. Bobbin winding machine.

230/Mas/93. Moore Products Co. Electrical fault detector.

231/Mas/93. Statens Seruminstitut. Treatment and prophylaxis of diseases caused by parasites or bacteria.

The 1st April 1993

232/Mas/93. I A. Rajndrabab. Without fuel we can drive vehicles & generator by—B.C.M.-automatic system (Bharath challenge in mechanism).

233/Mas/93. Asea Brown Boveri Ltd. Axial flow turbine.

234/Mas/93. Austen Bernard Barnes. Axial locking device. (April 2, 1992; Great Britain).

235/Mas/93. Commonwealth Scientific and Industrial Research Organisation. Mineral Processing. (April 2, 1992; Australia).

The 2nd April 1993

236/Mas/93. Kvaerner Engyneering A/S. Production of carbon black.

237/Mas/93. Kvaerner Engineering a.s. System for the production of carbon black.

238/Mas/93. Kvaerner Engineering a.s. Decomposition reactor.

239/Mas/93. Kvaerner Engineering A/S. electrode consumption in plasma torches.

240/Mas/93. Jeng-Lung Lu. Improved reusable plastic case.

241/Mas/93. Maschinenfabrik Rieter AG. Spinning machine-drafting arrangement.

242/Mas/93. Herding GmbH Entstaubungsanlagen. A filter element having an inherently stable, permeably porous plastic shaped body.

243/Mas/93. Maschinenfabrik Rieter AG. Spinning machine.

APPLICATION FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, MUNICIPAL MARKET BUILDING, IIIRD FLOOR, KAROL BAGH, NEW DELHI-110005

The 8th February 1993

102/Del/93. The Procter & Gamble Company, "Stable pumable synthetic detergent composition and process for the storage thereof".

103/Del/93. Maerz-Ofenbau AG, "Shaft kiln for burning a lumpy, mineral charge".

104/Del/93. ALLIED-SIGNAL Inc., "Process for crystallization in a draft tube baffle crystallizer".

105/Del/93. ALLIED-SIGNAL INC., "Novel Refrigerant Compositions".

106/Del/93. ALLIED-SIGNAL INC., "Novel Refrigerant Compositions".

The 9th February 1993

107/Del/93. MACBON PTY., LIMITED, "Sleeper laying apparatus".

(Convention Date 22-12-92, Australia).

108/Del/93. Zeneca Limited, "Compositions and compounds". (Convention Date 6-3-92, United Kingdom).

109/Del/93. Motorola, Inc., "Slot hopped FD/TD/CDMA".

The 10th February 1993

110/Del/93. Cricket, "Gas-Filled childproof lighter".

111/Del/93. Hughes Aircraft Company. "Tool for use in the manufacture of Binary optical elements".

112/Del/93. Austpac Gold N. L., "Acid Regeneration". (Convention Date 12-2-92, Australia).

113/Del/93. The Whitaker Corporation, "Shielded data connector". (Convention Date 24-2-92, United Kingdom).

114/Del/93. The Bfgoodrich Company, "A polymeric composition capable of being formed into a rigid thermoplastic article having a stucco appearance [Divisional Date 28 January, 1989].

The 11th February 1993

115/Del/93. The Procter & Gamble Company, "Aqueous hard surface detergent compositions containing calcium ions".

116/Del/93. The Procter & Gamble Company, "Shampoo premix compositions, shampoo compositions made therefrom and method of making such premix and shampoo compositions".

117/Del/93. Orbital Engine Company (Australia) Pty. Ltd., "Improvements relating to air fuel ratio control". (Convention Date 11-2-92, Australia).

118/Del/93. Mineral Deposits Limited, "Method and apparatus for the disposal of particulate solids". (Convention Date 18-2-92, Australia).

119/Del/93. Rohm and Haas Company, "Multistage polymers".

The 12th February 1993

120/Del/93. N. R. Dongre, "An improved mould for making ice cream and the like".

121/Del/93. Debashis Chakladar, "Insects repellent agarbatti".

122/Del/93. Roussel-Uclaf, "Process for the preparation of pyrethrinoid esters derived from thiazolic alcohols".

ALTERATION OF DATE UNDER SECTION 16

Patent No. 172260 Ante-dated to 5th May, 1986. (173/M/90).

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the Applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, given notice to the Controller of Patents at the appropriate office on the prescribed Form 15, of such opposition. The written statement of opposition should be filed alongwith the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

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स्वीकृत सम्पूर्ण विनिर्देश

एतद्द्वारा यह सूचना दी जाती है कि सम्बद्ध आवेदनों में से किसी पर पेटेंट अनुदान का विरोध करने के इच्छुक कोई व्यक्ति, इसके निर्गम की तिथि से चार (4) महीने या अग्रिम ऐसी अवधि जो उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटेंट नियम, 1972 के तहत विहित प्रपत्र 14 पर आवेदित एक महीने की अवधि से अधिक न हो, के भीतर कभी भी नियंत्रक, एकस्व को उपर्युक्त कार्यालय को ऐसे विरोध की सूचना विहित प्रपत्र 15 पर दे सकते हैं । विरोध सम्बन्धी लिखित वक्तव्य, उक्त सूचना के साथ अथवा पेटेंट नियम, 1972 के नियम 36 में यथा विहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिए ।

"प्रत्येक विनिर्देश के संदर्भ में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण तथा अन्तरराष्ट्रीय वर्गीकरण के अनुरूप हैं ।"

रूपांकन (चित्र आरेखों) की फोटो प्रतियां यदि कोई हों, के साथ विनिर्देशों की टंकित अथवा फोटो प्रतियों की आपूर्ति पेटेंट कार्यालय, कलकत्ता अथवा उपयुक्त शाखा कार्यालय द्वारा विहित लिप्यान्तरण प्रभार जिसे उक्त कार्यालय से पत्र व्यवहार द्वारा सुनिश्चित करने के उपरांत उसकी अदायगी पर की जा सकती है । विनिर्देश की पृष्ठ संख्या के साथ प्रत्येक स्वीकृत विनिर्देश के सामने नीचे वर्णित चित्र आरेख कागजों को जोड़कर उसे 2 से गुणा करके (क्योंकि प्रत्येक पृष्ठ का लिप्यान्तरण प्रभार 2/- रु. है) फोटो लिप्यान्तरण प्रभार का परिकलन किया जा सकता है ।

Cl. : 152-E 172241

Int. Cl. : B 29 D7/00, 9/00, 11/00, B 32 B 27/00. C 08 L 43/04.

"METHOD FOR PREPARING A RADIATION CURABLE COATING COMPOSITION BASED ON A SILICA/VINYL-FUNCTIONAL SILANOL DISPERSION".

Applicant : HOECHST CELANESE CORPORATION OF ROUTE 202-206 NORTH SOMERVILLE, NEW PERSEY, UNITED STATES OF AMERICA.

Inventor : HOWARD WAYNE SWOFFORD.

Application No. 1037/Cal/88; filed on 16 December, 1988.

Appropriate office for opposition proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

8 Claims

A method for preparing a radiation curable composition comprising mixing :

(a) from 50 to 85 percent, based on the total weight of the composition, of colloidal silica and the

partial condensate of a silane, such that at least sixty percent of the silane is a vinyl-functional silane conforming to the formula

$$(R)_a\ Si(R')_b\ (R'')_c$$

wherein

R is allyl or vinyl-functional alkyl

R' is hydrolyzable alkoxy or phenoxy

R'' is non-hydrolyzable, saturated alkyl, phenyl, or rilixy such that $a + b + c = 4$; and

$a \geqslant 1$;

$b \leqslant 1$;

$c \geqslant 00$

(b) from 15 to 50 percent, based on the total weight of the composition, of one or more multifunctional acrylate or methacrylate monomers.

Compl. specn. 36 pages. Drg. Nil

Cl. : 139 C. 172242

Int. Cl.[4] : C 01 B 7/01, 7/07.

"INDUSTRIAL PROCESS FOR THE SEPARATION AND RECOVERY OF CHLORINE".

Applicant : MITSUI TOATSU CHEMICALS, INCORPORATED, OF 2-5, KASUMIGASEKI 3-CHOME, CHIYODA-KU, TOKYO, JAPAN.

Inventors : (1) HIROYUKI ITOH. (2) YOSHITSUGU KONO, (3) ISAO KIKUCHI, (4) SHINJI TAKENAKA, (5) MASANOBU AJIOKA, (6) MITSUO KUDOH.

Application No. 1144/Cal/89; filed on 08th February, 1989.

Appropriate office for opposition proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

5 Claims

An industrial process for the separation and recovery of chlorine from a gaseous mixture comprising chlorine of from 10 to 60% by volume, carbon dioxide and a non-condensable gas of from 40 to 90% by volume which comprises compressing and cooling the gaseous mixture to separate the gaseous mixture into a residual gas formed principally of a major portion of the non-condensable gas and a condensate formed primarily of chlorine, and feeding the condensate to a stripping column to desorb carbon dioxide and a minor portion of the non-condensable gas dissolved in the condensate to thereby separate the chlorine in a conventional manner which is recovered by a known procedure.

Compl. specn. 52 pages. Drgs. 4 sheets

Cl. : 76 B 172243

Int. Cl.[4] : F 16 B 1/00.

"A MACHINE FOR AUTOMATICALLY INSTALLING CLAMPS".

Applicant : HANS OETIKER AG MASCHINTNFABRIK UND APPARATEFABRIK 21 OBERBORTSTRASSE OF CH-8812 HORGEN, SWITZERLAND.

Inventor : HANS OETIKER.

Application No. 123/Cal/89; filed on 9th February, 1989.

Appropriate office for opposition proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

47 Claims

A machine for automatically installing a clamp on an object to fastened by the use of a flat blank from a quantity, supply thereof, comprising first means for successively separating individual blanks from the supply of blanks, second means for feeding the individual blanks to a deformation station third means at the deformation station for deforming the individual blank into a closed clamp slightly larger in its internal configuration than the object to be fastened thereby, fourth means for picking up the deformed clamp at said deformation station and for transferring it to the object where it is mounted over the object, and fifth means for tightening the clamp mounted over the object while held thereat in predetermined position.

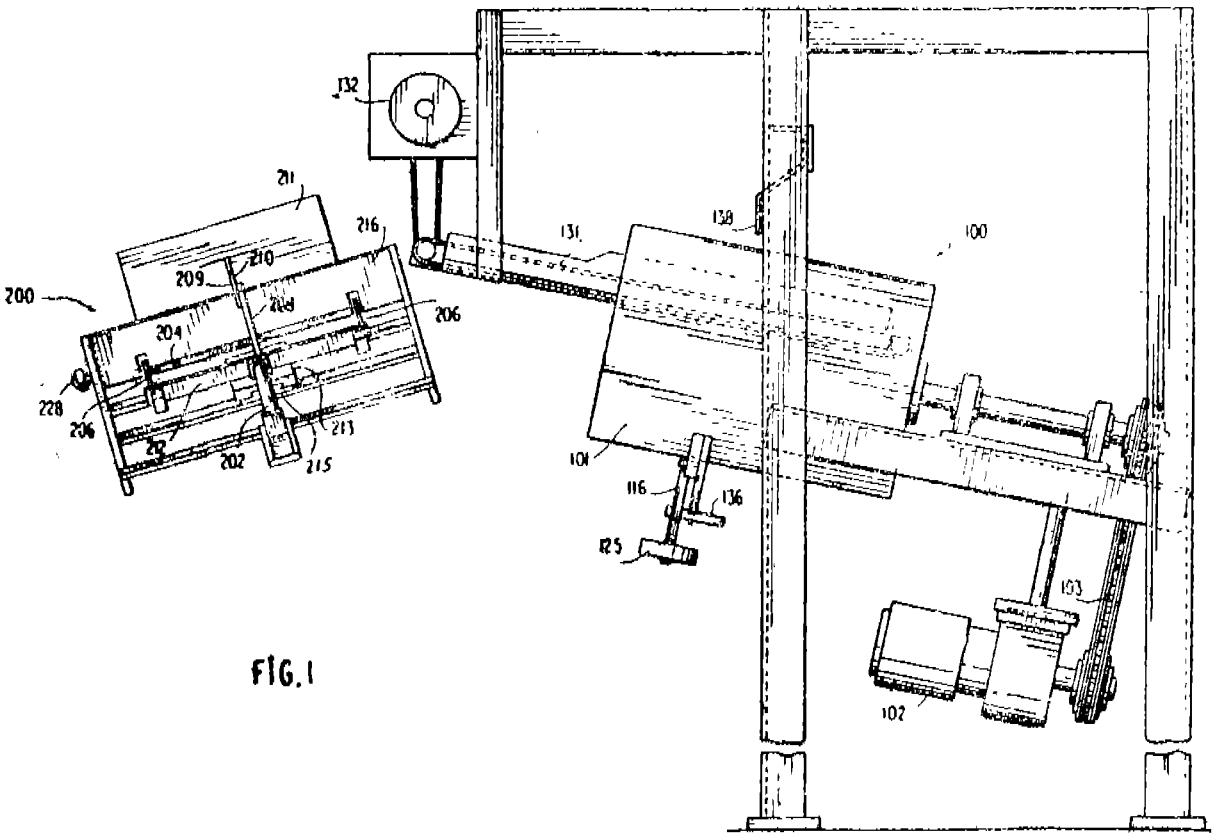


FIG. 1

Compl. specn. 40 pages. Drgs. 4 sheets

Cl. 85 J 172244

Int. Cl. : F 23 C, 11/02.

"APPARATUS FOR CONTROLLED CONVEYANCE OF PARTICULATE MATERIAL FROM A STANDPIPE IN A CIRCULATING FLUIDIZED BED BOILER AND METHOD OF PRESERVING FROM DETERIORATION CONDUIT OF THE BOILER HAVING SUCH APPARATUS".

Applicant : THE BABCOCK & WILCOX COMPANY, OF 1010 COMMON STREET, P. O. BOX 60035, NEW ORLEANS, LOUISIANA 70160, UNITED STATES OF AMERICA.

Inventor : DAVID JUDSON WALKER.

Application No. 320/Cal/89; filed on 25th April, 1989.

Appropriate office for opposition proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

14 Claims

An apparatus for the controlled conveyance of particulate material from a standpipe in a circulating fluidized bed boiler comprising :

(a) a pressurized, high temperature conduit having a particulate entrance and at least one side discharge opening that opens onto the furnace of said circulating fluidized bed boiler;

(b) standpipe means projecting into said conduit through said particulate enterance for depositing said particulate material into a first area of said conduit, said particulate material having a specific at rest angle of repose within said pressurized conduit;

(c) aerating means in said first area of said conduit for aerating and moving said deposited particulate material from said first area to a second area of said conduit beyond said first area, said moved particulate material being replaced with additional particulate material deposited into said first area from said standpipe means; and

(d) fluidizing means in said second area of said conduit for fluidizing said moved particulate material along said conduit in said second area toward said side discharge opening, said moved particulate material having a generally uniform height in said second area;

(e) whereby said moved particulate material departs said conduit through said side discharge opening into said furnace of said circulating fluidized bed boiler with the rate of said departure being dependent upon the height of said moved particulate material in said second area above the lower edge of said side discharge opening, said rate of departure also being dependent upon the rate at which said particulate material is moved from said first area of said conduit to said second area, and whereby stagnation of the particulate material along the conduit is avoided.

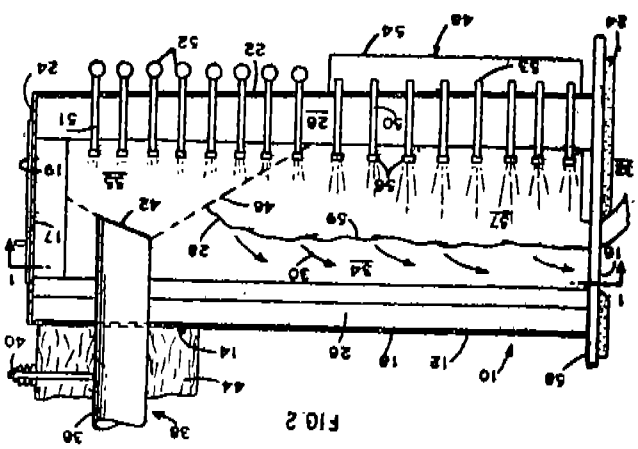


FIG. 2

Compl. specn. 10 pages. Drgs. 2 sheets

Cl. : 89. 172245

Int. Cl. : G 01 N 9/24.

"AN APPARATUS FOR MEASURING THE PHYSICAL PROPERTIES AND INTEGRITY OF A MEMBER IN VIVO."

Applicant : LUNAR RADIATION, INC. OF 313 WEST BELTING HIGHWAY, MADISON, WISCONSIN 53513, UNITED STATES OF AMERICA.

Inventors : (1) PHILLIP JOHN ROSSMAN, (2) SCOTT ALBERT WIENER.

Application No. 349/Cal/89; filed on 09th May, 1989.

Appropriate office for opposition proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

4 Claims

An apparatus for measuring the physical properties and integrity of a member in vivo, at a given region of interest comprising :

(a) an ultrasonic testing instrument having an array of ultrasonic transducer elements;

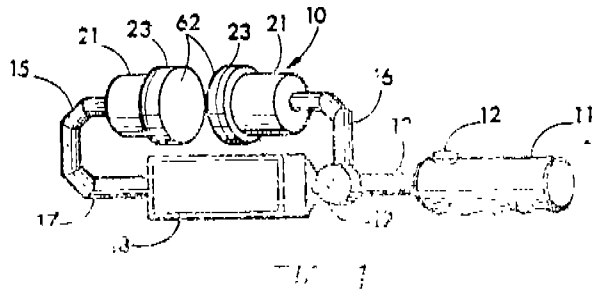
(b) means for positioning the testing instrument generally in the area of the region of interest on the member;

(c) means for launching ultrasonic signals successively from the elements in the array;

(d) means for sensing the received ultrasonic signals launched from the elements;

(e) means for deriving from the received ultrasonic signals at least one parameter related to the physical properties of the member at each point in the array; and

(f) means for selecting among the paramenters by criteria selected to repeatedly select a similar region of interest and using one of the parameters at that region of interest as an indication of the physical properties of the member at that region of interest.



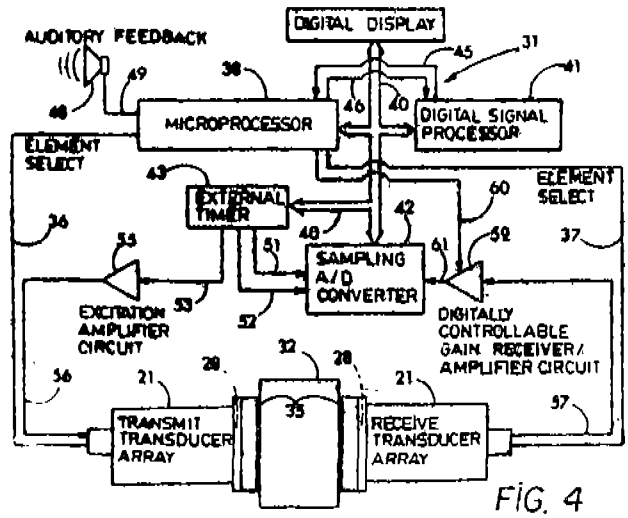


FIG. 4

Compl. specn. 28 pages. Drgs. 7 sheets

Cl. : 137 CD 172246

Int. Cl. : G 10 B 3/12, 3/00, G 10 C 3/00.

"AN IMPROVED KEYBOARD MUSICAL INSTRUMENT HAVING TWENTY-TWO NOTES PER OCTAVE."

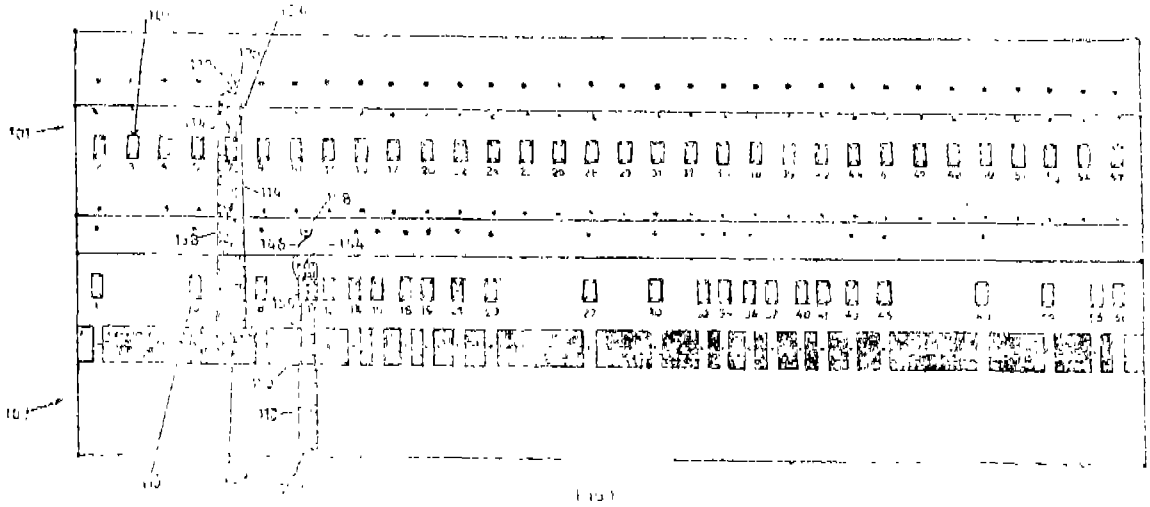
Applicant & Inventor : RAM JIBAN BHATTACHARYA, OF 30 THAKURPARA ROAD, P. O. BHATPARA, DISTRICT 24 PARGANAS (NORTH), WEST BENGAL, INDIA.

Application No. 356/Cal/89; filed on 10th May, 1989.

Appropriate office for opposition proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

17 Claims

An improved keyboard musical instrument particularly harmonium or like reed organ wherein improvement comprises in having twentytwo notes of predetermined frequency ratios in on octave, said musical instrument essentially comprising a pair of wooden boards which are so arranged as to provide an upper tier and a lower tier, said boards being joined together to make a stile-like continuous body forming the roof of an air chamber wherein multiple apertures of substantially equal dimension being grooved and located laterally along the entire length of said upper and lower tiers, each of which apertures normally being covered with a flat key which has a playing end a remote end, said remote end, being pressed and positioned with an s-shaped spring so that when said playing end is acted upon, the remote end of the key actuates on a leverage located substantially at its mid-point thus opening the aperture corresponding to the operated key and allowing bellowed air from the air chamber to escape through the aperture after viberating a metallic reed which is fitted to the inner top surface of said air-chamber at its one end to cover each of said multiple apertures, each of said reeds being positioned inside said upper and lower tiers in a preselected order after being tuned to desired frequency ratio.



Compl. specn. 23 3pages. Drg. 1 sheet

Cl. : 201 D 172247

Int. Cl.* : C 02 F 1/20, C 02 F 1/58.

"PROCESS FOR PURIFYING WASTE WATER AND FOR PREVENTING ATMOSPHERIC POLLUTION IN THE COURSE OF TREATMENT OF WATER CONTAINING VOLATILE AND TOXIC COMPOUNDS".

Applicant : SIMPRO/PASSAVANT INC. OF 301 WEST MILITARY ROAD, ROTHSCHILD, WISCONSIN 54474, UNITED STATES OF AMERICA.

Inventor : JOHN ALLEN MEIDL.

Application No. 369/Cal/89; filed on 12th May, 1989.

Appropriate office for opposition proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

20 Claims

A process for purfying waste water and for preventing atmospheric pollution in the course of treating waste water contaminated with at least one volatile compound, comprising the steps of :—

(a) stripping said volatile compound from said wastewater by gas stripping means to produce a gas phase containing said volatile compound and a partially- treated wastewater containing substantially lower conentration of said volatile compound;

(b) contacting said volatile compound containing gas phase with an aqueous mixture of biological solids and powdered absorbent, in a contacting means, to transfer a substantial portion of said volatile compound from said gas phase to said aqueous mixture of biological solids and powdered absorbent, to form a purified gas phase and a volatile compound contaminated aqueous mixture of biological solids and powdered absorbent; and

(c) treating said partially-treated wastewater from step (a) by a biophysical aerobic treatment process which produces said aqueous mixture of biological solids and powdered absorbent used in step (b).

Compl. specn. 18 pages. Drg. 1 sheet

Cl. 40 F. 172248

Int. Cl. C 10 J 3/48

"AN IMPROVED APPARATUS FOR PRODUCING A FLOW INCLUDING A PRODUCT GAS AND ACCOMPANYING CINDER PARTICLES FROM A FINELY-DIVIDED CARBON BEARING SUBSTANCE IN THE COURSE OF A HIGH-PRESSURE GASSIFICATION".

Applicant : KRUPP KOPPERS GMBH. of Altendorfer Strasse 120, D-4300 Essen 1, West Germany.

Inventors : (1) MICHAEL LANG,
(2) GERHARD WILMER.

Application No. 427/Cal/89; filed on 2nd June, 1989.

Appropriate office for opposition proceedings (Rule 4, Patent rule 1972) Patent office, Calcutta.

12 Claims.

An improved apparatus for producing a flow including a product gas and accompanying cinder particles from a finely-divided carbon bearing substance in the course of a high-pressure gasification comprising :

a vertical gasifier and radiative cooling device having a head through which said flow occurs in a flow direction from bottom to top.

a vertical convective cooling device also having a head through which said flow occurs from top to bottom, and a cooled connecting pipe between said head of said gasifier and radiative cooling device and said head of said convective cooling device,

said gasifier and radiative cooling device comprising shaft which is circular in horizontal cross section and formed like a pipe , a lower cinder outlet and an upper conical connecting piece, for said connecting piece for said connecting pipe, and said gasifier and radiative cooling device being formed for cooling of said product gas as said accompanying fluidized cinder particles travelling with said product gas are undergoing solidification and said convective cooling device is provided with a lower outlet for said product gas and said accompanying cinder particles, the improvement wherein said shaft is constructed relative to said flow of said product gas as an equal speed flow duct, which is free of devices for direct and/or indirect feed of a foreign cooling means and said equal speed flow duct is designed in a manner such as herein described in regard to cooling of said product gas, so that solidification of said accompanying cinder particles occurs by radiative cooling.

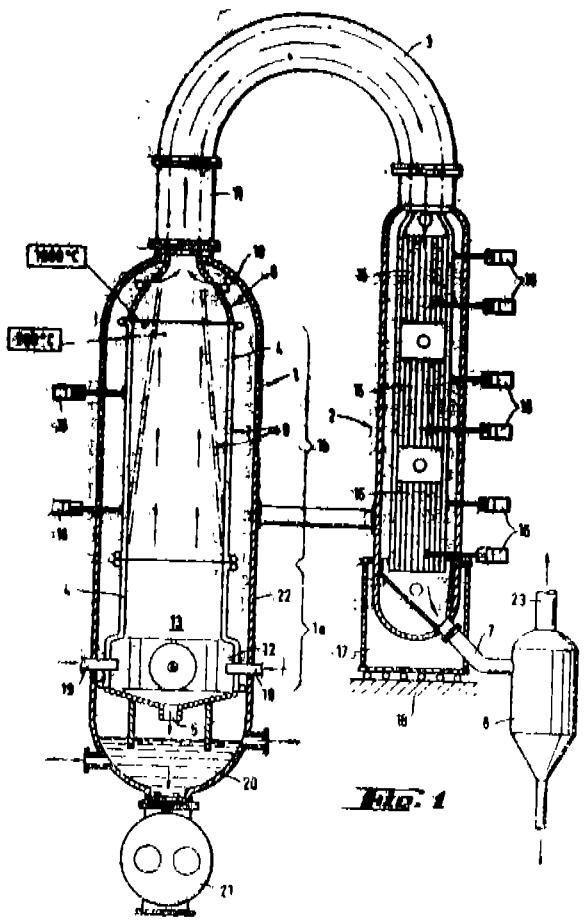


Fig. 1

Compl. specn. 30 pages. Drgns. 3 sheets

Cl. 68 E1 172249.

Int. Cl. H 02 H 3/10.

"DEVICE FOR OVERLOAD AND SHORT CIRCUIT PROTECTION OF OUTPUT DRIVERS".

Applicant : KONE ELEVATOR GMBH. of Rathausstrasse 1, CH-6340 Baar, Switzerland.

Inventor : (1) ASKO JUNTUNEN.

Application No. 453/Cal/89; filed on 14 June, 1989.

Appropriate office for opposition proceedings (Rule 4, Patents Rule 1972) Patent office, Calcutta.

2 Claims

Device for overload and short-circuit protection of output drivers, said device comprising :

a control logic (1') for controlling each driver (3') by means of a reference value ('Vd';+Vd') set independently from exernal control (11—17 : 11'—17') and obtained from a reference value unit (2);

an overload and short-circuit monitoring circuit (4') for detecting and removing an overload or short-circuit situation, said circuit with the help of a semiconductor switch (Q11, Q11') is adapted to limit the control to the output driver in an overload or short-circuit situation, by arranging another current path via said switch, into which, in an overload or short-circuit situation, at least a part of the control is directed, and said circuit, without a resistance connected in series with said driver, is adapted to monitor the current of the driver; and

an oscillator (5') which is adapted to produce sensing signals continuously, such that with the help of said signals fed to the drivers via the control logic the duration of the overload or short-circuit is caused to be monitored; and wherein :

the control logic has a first semiconductor switch (Q1, Q1'), the overload and short-circuit monitoring circuit is constituted by a second semiconductor switch (Q11, Q11') and a resistance (R11', R11') connected to the second switch's control electrode and to the output (01—07, 01'—07') of the driver, the said first semiconductor switch is connected to the control electrode of the second sitch such that in the event of tthe said first switch being turned on in the normal situation, the control to the output driver is allowed by the said first switch, while, at the same time, conducting of the second switch is prevented, and, in an overload of short-circuit situation the said second switch is adapted to be switched on with the help of a control signal coming from the output of the driver via a resistance, the said control signal being stabilized by constant voltage elements (D8, D8') for holding the reference of the driver in a constant value, and a condensator/capacitor (C1, C1') is connected to the control electrode of the first switch for controlling the driver to a state that corresponds to the external control without control from the oscillator.

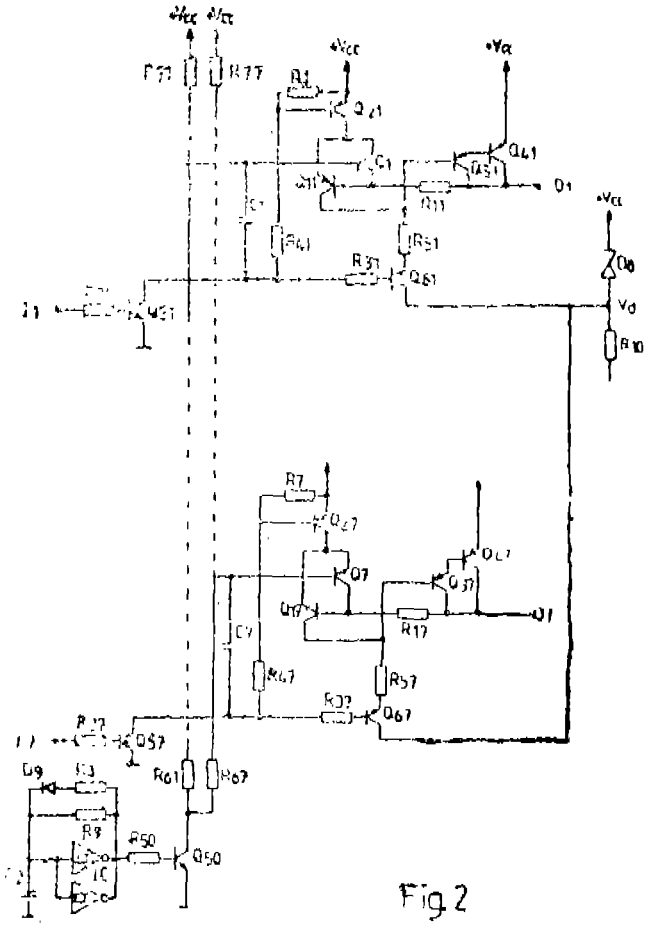


Fig 2

Compl. specn. 14 pages. Drgns. 5 sheets.

Cl. 11 C—I 172250.

Int. Cl.4 A 23 K 1/20.

"A PROCESS FOR OBTAINING MAHUA ANIMAL FEEDSTOCK-SUPPLEMENT"

Applicant & Inventor : DR BINOD KUMAR VERMA", OF SENIOR SCIENTIST-CUM-ASSOC. PROFESSOR, RANCHI VETERINARY COLLEGE, RANCHI-7.

Application No. 460/Cal/89; filed on 15th June, 1989.

Appropriatte Office for Opposiion Proceedings (Rule 4, Paents Rules 1972) Patent Office, Calcutta.

2 Claims 172250

An improved process for the extraction of oil from mahua seed and for the simultaneous preparation of livestock food qualitty mahua seed cake, which comprises subjecting mahua seed to solvent extraction using a mixture of solvents made of hexane and a lower alkyl alkanol in the ratio of 2 : 1 by volume, carrying out extraction at temperatures of around 80°C, thereafter, separating the residual solid material from the extractant, subjecting the residual seed cake to a step of expulsion of any solvent oil retained therein in the usual manner to obtain a livestock feed quality mahua seed cake, which is substantially free from interfering constituents, subjecting he solvent oil mixture to a step of recovery of solvent and oil separately in the conventional manner.

Compl. Specn. 7 pages, Drgns. Nil

Ind. Cl. : 17-A_8 — [GROUP — XIV(2)] 172251

Int. Cl.4 : B 01 D 37/02

PROCESS FOR THE PREPARATION OF A POLYSACCHARIDE WORT HAVING INCREASED FILTERABILITY.

Applicant : INSTITUT FRANCAIS DU PETROLE, A FRENCH BODY CORPORATE, OF 4 AVENUE DE BOISPREAU, 92502 RUEIL-MALMAISON, FRANCE.

Inventors : (1) CHRISTINE NOIK
(2) JACQUELINE LECOURTIER
(3) GUY CHAUVETEAU

Application No. 738/Mas/88 filed October 25, 1988.

Approprite Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

9 Claims

A process for the preparation of a polysaccharide wort having increased filterability comprising the steps of filtering wort such as herein described and removing at least 90% of the solid residue having a size larger than 20 μm and contacting the filtered wort with 1 to 100 kg of a siliceous material such as herein described per m^3 of the wortt at a temperature in the range of 50 to 130°C for at least 5 minutes to obtain a polysaccharide wort with increased filterability.

(Com.—10 pages; Drwgs.—2 sheets)

Ind. Cl. : 6-A_2 — [GROUP — XLVII(1)] 172252

Int. Cl.4 : F 04 B 21/00;39/00

A HERMETIC COMPRESSOR.

Applicant : TECUMSEH PRODUCTS COMPANY, 100 EAST PATTERSON STREET, TECUMSEH, MICHIGAN 49286, U.S.A., A CORPORAION OF THE STATE OF MICHIGAN, UNITED STATES OF AMERICA.

Inventor : EDWIN L. GANNAWAY.

Application No. 728/Mas/88 filed October 18, 1988.

Approprite Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

11 Claims

A hermetic compressor comprising a hermetically sealed housing (14), means (52) dividing said housing into an upper chamber and a lower chamber, a vertically oriented scotch yoke compressor mechanism (44) in said upper chamber and a motor (22) positioned in said lower chamber and drivingly connected to said compressor mechanism (44), said compressor mechanism (44) having a crankcase with a yoke cavity (62) maintained at suction pressure, plurality of cylinders and a scotch yoke means (94) disposed wihin said yoke cavity and connected to a vertical crankshaft (32) driven by said motor (22) for compressing refrigerant gas in said cylinder, a suction conduit (252) connected directly to said yoke cavity (62), and a discharge conduit (302) connected to said lower chamber maintaining said lower chamber and upper chamber at discharge pressure for discharging the discharge gas through said lower chamber thereby cooling said motor.

(Com.—23 pages); Drwgs.—2 sheets; one sheet of size 33.00 cms. by 41.00 cms.)

Ind. Cl. : 163-D — [GROUP — XLIV(3)] 172253

Int. Cl.4 : F 16 B 17/00

AN IMPROVED COMPRESSOR ASSEMBLY.

Applicant : TECUMSEH PRODUCTS COMPANY, OF 100 EAST PATTERSON STREET, TECUMSEH, MICHIGAN 49286, U.S.A., A CORPORATION OF THE STATE OF MICHIGAN, UNITED STATES OF AMERICA,

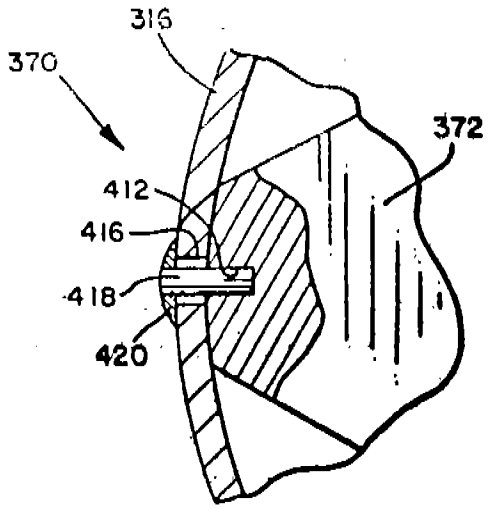
Inventors : (1) EMANUEL DUANE FRY
(2) EDWIN L. GANNAWAY

Application No. 724/Mas/88 filed October 17, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

8 Claims

An improved compressor assembly comprising a compressor mechanism within a hermetically sealed housing (310) having a side wall, said compressor mechanism having a frame member (372), the improvement comprising mounting apparatus for mounting said frame member to said side wall, comprising : an aperture (416) in said side wall; a radially outwardly opening hole (412) in said frame member; an electric motor (320) located within said causing to drive compressor mechanism; a pin member (418) slidably received within said hole and extending radially outwardly; and means (420) for fixedly attaching said pin member to said housing at the location of said aperture for hermetically sealing said housing whereby, as a result of said pin member sliding within said hole, said housing side wall is permitted to expand and contract radially relative to said frame member in response to varying housing temperature and pressure conditions.



(Com.—34 pages; Drwgs.—4 sheets; one sheet of size 33.00 cms. by 41.00 cms.)

Ind. Cl. : 123 [I(4)] 172254
Int. Cl.[4] : C 05 F, 11/02.

A PROCESS FOR PREPARING A BIODEGRADABLE ORGANIC FERTILIZER.

Applicant : DAWN E. FRANCIS, A CITIZEN OF THE USA, OF 1347 NICOLET, DETROIT, MICHIGAN 48207, UNITED STATES OF AMERICA.

Inventor : DAWN E. FRANCIS.

Application No. 803/Mas/88 filed oln 16th November 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

4 Claims

A process for preparing a biodegradable organic fertilizer comprising the steps of drying and finely dividing dead leaves, admixing the dried finely divided dead leaves with dried skim milk powder, which is essentially fat free, kneading the resulting mixture into a mass with sufficient amount of water, drying and granulating the resulting mass to obtain the biodegradable organic fertilizer, herein the volume ratio of dried finely divided dead leaves to dried skim milk powder is between 1 : 1 and 10 : 1.

(Complete specification 25 pages; Drawings Nil)

Ind. Cl. : 133-B [LIX(3)]. 172255
Int. Cl.[4] : G 01 D 13/26.

APPARATUS WITH AN INITIATOR FOR DETECTING THE ROTATIONAL POSITION OF A SHAFT.

Applicant : GULDE-REGELARMATUREN GmbH & CO., KG OF MANNHEIMBER STRASSE, 63, D-6700 LUDWIGSHAFEN, FEDERAL REPUBLIC OF GERMANY; A GERMAN COMPANY.

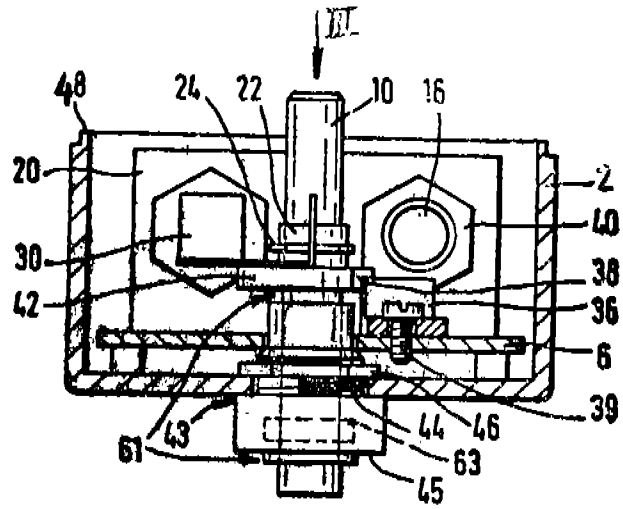
Inventor : HERR WOLFGANG GONSIOR.

Application No. 03/Mas/89 filed on 2nd January 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

16 Claims

An apparatus with an initiator for detecting the rotational position of a shaft comprising a housing containing an electric sensor element of said initiator, a movable revolving body fastened on said shaft, wherein said revolving body is rotationally fixed directly to said shaft by a clamping connection and completely surrounds the periphery of said shaft, said revolving body is adjustable with respect to said shaft once a retaining force determined by the clamping force of said clamping connection has been overcome, a stop body for said revolving body is disposed in said housing for carrying out a self-adjustment of positioning of said revolving body upon contact with said revolving body, and said shaft being rotated into a predetermined end position when said retaining force is overcome.



(Complete specification 17 pages; Drawing 3 sheets)

Ind. Cl. : 128 F [GROUP XIX (2)] 172256
Int. Cl.[4] : A 61 M 1/00

AN APPARATUS FOR INFUSING PHARMACEUTICAL PRODUCTS TO A PATIENT.

Applicant : C R BARD INC, A CORPORATION OF NEW JERSEY 731 CENTRAL AVENUE, MURRAY HILL, NEW JERSEY, USA.

Inventors : 1. NICHOLAS G SAMIOTES 2. PAUL LUCAS.

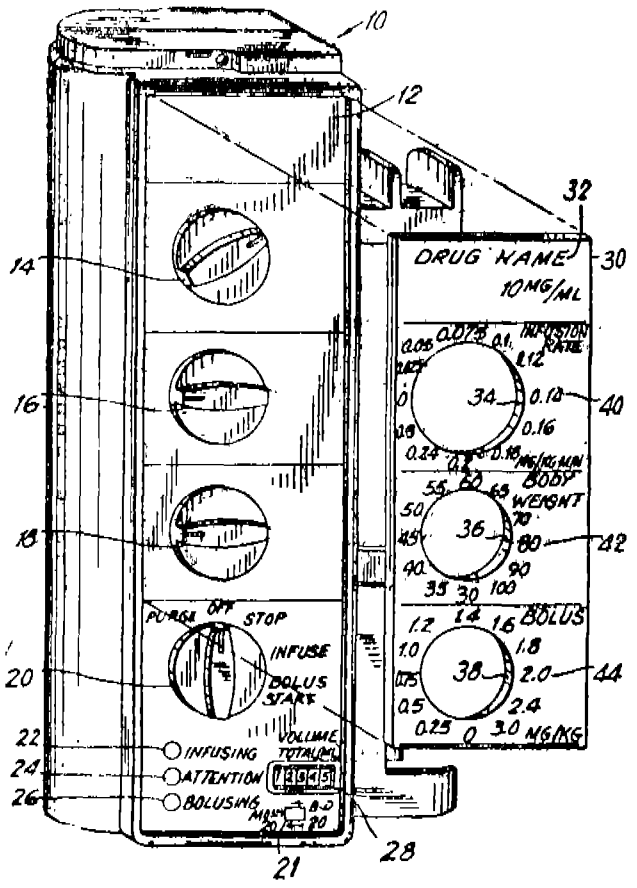
Application No. 159/Mas/89 filed on 27th February, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Madras.

15 Claims

An apparatus for infusing pharmaceutical products to a patient comprising pumping means; control means for controling operation of said pumping means; indicator means having information in a pre-arranged configuration for a selected mode of pump operation, said control means being placed adjacent to said indicator means for sensing said pre-

arranged configuration, and controlling said pumping means in accordance with said pre-arranged configuration.



(Com. Spec. 24 pages; Drgs. 4 sheets)

Ind. Cl. : 48 A1, A4 [LVIII(3)] 172257

Int. Cl[4]. : H 01 B 13/16

AN APPARATUS FOR MAKING PETROLIUM JELLY FILLED TELEPHONE CABLE CORES.

Applicant : VUCHA SUSELLA AND VUCHA JAGAN MOHAN RAO, PLOT NO. 79, MADHAVNAGAR COLONY, NEAR NEW HOUSING BOARD COLONY, SAIDABAD, HYDERABAD—ANDHRA PRADESH, INDIA, INDIAN NATIONALS.

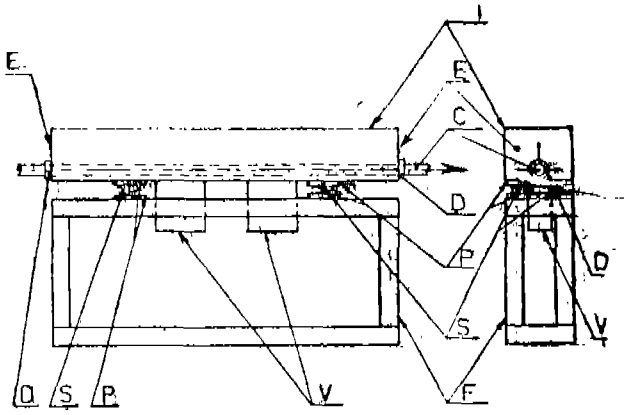
Inventors : VUCHA SUSEELA AND VUCHA JAGAN MOHAN RAO.

Application No. 257/MAS/89 filed on 3rd April, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Madras.

4 Claims

An appratus for making petrolium jelly filled telephone cable cores comprisnig a frame F for mounting a container T at the working height, the said container holding petrolium jelly to feed it into the cable core, the container having two holes diametrically opposite and in a horizontal axis and positioned on front and back sides of the container towards the bottom, through which he cable core being fed at the back side of the container, passes, vibrators or ultrasonic transducers V fitted at the bottom of the container to create vibrations in the jelly through the bottom of the container.



(Complete specification 11 pages; Drawing 1 sheet)

Ind. Cl. : 187-C1—[GROUP—LXI(2)] 172258

Int. Cl.[4]—H 04 L 1/00

TELECOMMUNICATIONS TRANSMISSION SECURITY ARRANGEMENT.

Applicant : GEC PLESSEY TELECOMMUNICATIONS LIMITED, A BRITISH COMPANY OF P O BOX 53, TELEPHONE ROAD, COVENTRY, CV3 1HJ, ENGLAND.

Inventors : (1) GEOFFREY CHOPPING (2) JONATHAN WILLIAM ROWE.

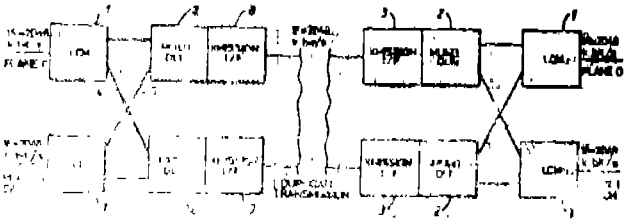
Application No. 279/Mas/89 filed April 13, 1989.

Convention date : August 16, 1988; (No. 8819470.9; Great Britain).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Madras.

6 Claims

A telecommunications transmission security arrangement comprising first and second transmission paths, each path having a line control multiplexer serially connected to a digital line termination unit, said line control multiplexer of said first path including connecting means whereby it may be connected to said digital line termination unit of said second path, and, said line control multiplexer of said second path including connecting means whereby it may be connected to said digital line termination unit of said first path, the digital line terminaion units of each path include transmission path alarm monitors, arranged to monitor alarm conditions of the transmission paths and path setting means connected to the alarm monitors to set up a transmission path by way of the line control multiplexer of the first path and the digital line termination unit of the second path when the first path is detected as not suitable for transmission, by the alarm monitors and path setting means connected to the alarm monitors, to set up a transmission path by way of the line control multiplexer of the second path and digital line termination unit of the first path when the second path is detected as not suitable for transmission by the alarm monitors.



(Com. 12 pages; Drwgs. 4 sheets)

Ind. Cl. : 168 C, D [GROUP LI (4)] 172259

Int. Cl.[4] : E 01 F 9/04.

RAISED PAVEMENT MARKER.

Applicant : MINNESOTA MINING AND MANUFACTURING COMPANY, A DELAWARE CORPORATION, U.S.A., OF 3M CENTER, ST. PAUL, MINNESOTA 55144-1000, U.S.A.

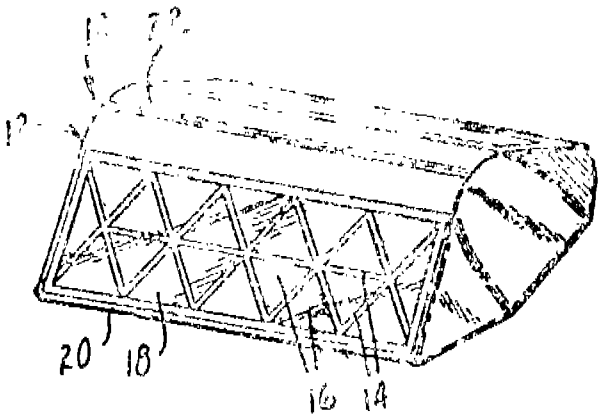
Inventors : 1. DAVID C. MAY 2. THOMAS D KRECH.

Application No. 434/MAS/89 filed on 2nd June, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Madras.

6 Claims

Raised pavement marker comprising a substantially rigid body having a bottom surface, at least one sloped face and a plastic cube-corner reflector; characterized in that (a) septa are provided projecting from said sloped face and the cube corner reflector is bonded to the septa to provide a plurality of cells beneath the reflector, the depth of which is sufficient that the cube corners of the reflector between the septa do not contact the body when the pavement marker is adhered to a roadway and subjected to vehicular impact; (b) the exposed face of the reflector forms an angle of from 15 to 45° to the surface of the roadway; (c) the overall thickness of the reflector is less than 2mm; and (d) at least 500 cube corner elements per cm^2 are provided on the reflector; said elements are formed by intersecting sets of parallel grooves.



(Com. Spec. 14 pages; Drgs. 2 sheets)

Ind. Cl. : 32-A_1 — [GROUP — IX(1)] 172260

Int. Cl.[4] : C 09 B 29/033

A PROCESS FOR MANUFACTURING THIOPHENE AZO DYES.

Applicant : BASF AKTIENGESELLSCHAFT, A GERMAN JOINT STOCK COMPANY ORGANISED AND EXISTING UNDER THE LAWS OF THE FEDERAL REPUBLIC OF GERMANY, OF 6700 LUDWIGSHAFEN, FEDERAL REPUBLIC OF GERMANY.

Inventors : (1) GUENTER HANSEN
(2) ERNST SCHEFCZIK
(3) KARL-HEINZ ETZBACH
(4) HELMUT REICHELT
(5) HERMANN LOEFFLER

Application No. 173/Mas/90 filed March 8, 1990.

Divisional to Patent No. 167384 (349/Mas/86); Ante-dated to May 5, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

2 Claims

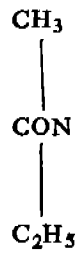
A process for manufacturing thiophene azo dyes of the general formula shown in Fig 1 of the accompanying drawings,

wherein

X is halogen,

Y is selected from cyano, $COOCH_3$, $COOC_2H_5$, $COOC_3H_7$, $COOC_4H_9$, $COOC_6H_{13}$, $COOC_8H_{17}$,

$COOC_2H_4OH$, $COOC_3H_6OH$, $COOC_2H_4OCH_3$, $COOC_2H_4OC_2H_5$, $COOC_2H_4OC_4H_9$, $COOC_6H_5$, $COOC_6H_4CH_3$, $CONH_2$, $CONHCH_3$, $CONHC_2H_5$, $CONHC_4H_9$, $CONHC_6H_{13}$, $CONHC_{8\ 17}$ $CON(CH_3)_2$, $CON(C_2H_5)_2$, $CON(C_3H_7)_2$, $CON(C_4H_9)_2$,



and formulae shown in Figures 3-1, 3-2; 3-3 of the accompanying drawings,

T is selected from CHO, CH_3CO, C_2H_5CO, C_6H_5 and

K is selected from a radical derived from a heterocyclic compound of the formulae shown in Figures 6-1, 6-2, 6-3, 6-6, 6-7, 6-8 and 6-9 of the accompanying drawings,

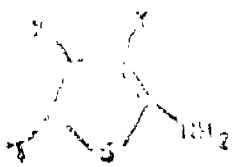
wherein

B^1 is hydrogen or B^2,

B^2 is selected from C_1-C_6-alkyl which may be substituted by chlorine, bromine, hydroxyl, C_1-C_8 -alkoxy phenoxy, phenyl, cyano, carboxyl, C_1-C_8-alkanoyloxy, C_1-C_8-alkoxy-C_1-C_4-alkoxy, benzoyloxy, o-, m- or p-methyl-benzoyloxy, o-, m- or p- chlorobenzoyloxy, C_1-C_8-alkoxyalkanoyloxy, phenoxyalkanoyloxy, C_1-C_8-alkoxy-carbonyloxy, C_1-C_8-alkoxyalkoxycarbonyloxy, benzyloxycarbonyloxy, phenethoxycarbonyloxy, phenoxyethoxycarbonyloxy, $C_{1\ 8}$, alkylaminocarbonyloxy, cyclohexyl-aminocarbonyloxy, phenylaminocarbonyloxy, C_1-C_8-alkoxycarbonyl, C_1-C_8-

alkoxy-alkoxycarbonyl, phenoxycarbonyl, benzyloxy-carbonyl, phenoxy-C_1-C_4-alkoxy or phenylethoxy-carbonyl, phenyl or cyclohexyl, R^1 is selected from hydrogen, methyl, ethyl, propyl, butyl, benzyl, phenethyl, phenyl, o-, m- or p-toyl or o-, m-, or p-chlorophenyl, R^2 is hydrogen or R^3, R^3 is unsubstituted C^1 ^{6}-alkyl or C^1-C^6 alkyl substituted by chlorine, bromine, hydroxyl, C_1-C_8-alkoxy, phenoxy, cyano, carboxyl, C_1-C_8-alkanoyloxy, C_1-C_8 lkoxy-C_1-C_4-alkoxy, benzoyloxy, o-, m-, and p-methyl-benzoyloxy, o-, m-, and p-chlorobenzoyloxy, C_1 $_8$, alkoxyalkanoyloxy, phenoxyalkanoyloxy, C_1-C_8-alkoxycarbonyloxy, C_1-C_8-alkoxyalkoxycarbonyloxy, benzyloxycarbonyloxy, phenylethoxycarbonyloxy, phenoxyethoxycarbonyloxy, C_1-C_8-alkyl-aminocarbonyloxy, cyclohexylaminocarbonyloxy, phenylamino-carbonyloxy, C_1-C_8-alkoxycarbonyl, C_1-C_8-alkoxy-alkoxycarbonyl, phenoxycarbonyl, benzyloxycarbonyl, phenoxy-C_1-C_4-alkoxy or phenylethoxycarbonyl, phenyl, benzyl, phenethyl or cyclo-hexyl, R_5 is selected from hydrogen, methyl, ethyl, prophyl, bromine, chlorine, methoxy, ethoxy, phenoxy, benzyloxy, C_1-C_4-alkoxy-carbonylamino, benzoylamino, C_1-C_6-alkanoyalamino which is unsubstituted or substituted by chlorine, bromine, cyano, methoxy, ethoxy or phenoxy, or C_1-C_4-alkylsulfonyl-amino or dialkyl-amino-sulfonylamino, R^6 is cyano, nitro, acetyl, aminocarbonyl, methylaminocarbonyl, dimethyl-amino-carbonyl, ethylaminocarbonyl, diethlaminocarbonyl, methoxycarbonyl, ethoxycarbonyl, n-or iso-propoxycarbonyl, n-, iso- or sec.-butoxycarbonyl, methoxyethoxycarbonyl, ethoxyethoxy-carbonyl, n- and isopropoxyethoxycarbonyl or n-, iso- or sec.-butoxyethoxycarbonyl, and R^7 is C_1-C_{10}-alkyl, C_1-C_{10}-alkoxy, p[illegible]y, benzyloxy, phenyl, chlorine, bromine, nitro, $_1$ $_4$-alkoxycarbonyl, C_1-C_4-mono and dialkylamino, C_1-C_4-alkoxyethoxy, C_1-C_4-alkyl or phenylmercapto C_1-C_5-alkanoylamino, C_1 $_4$-alkoxycarbonylmethyl, cyanomethyl or benzyl comprising diazotizing and reacting a compound of the formula shown in Figure 2 of the accompanying drawings.

with a coupling component of the formula HK in which XVT and K are as defined above, recovering the thiophene azo dyes from the reaction mixture in a known manner followed by washing and dryings.



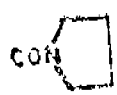


FIGURE - 3-1

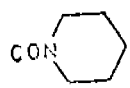


FIGURE - 3 - 2

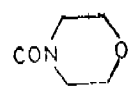
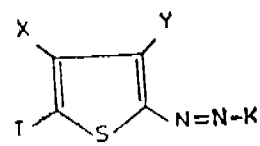


FIGURE - 3 - 3



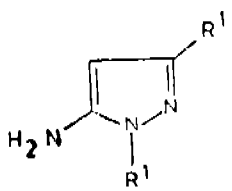


FIGURE - 6 - 1

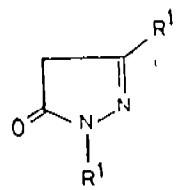


FIGURE - 6 - 2

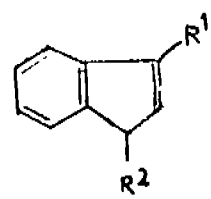


FIGURE 6 - 3

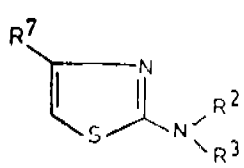


FIGURE - 6 - 7

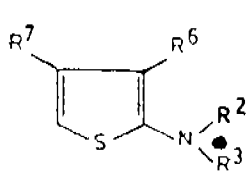


FIGURE - 6 - 8

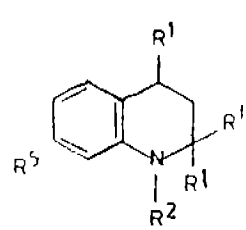


FIGURE 6-9

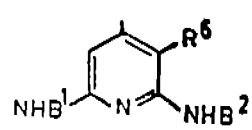


FIGURE - 6 - 6

(Comp specn.-33 pages; Drwgs.-56 sheets)

PROCEEDINGS UNDER SECTION 27 OF THE PATENTS ACT, 1970

In pursuance of proceedings under section 27 to grant of a patent on Application No. 170131 (275/Bom/88) made by Hindustan Lever Ltd. Patent has been ordered to be sealed on the application subject to amendment of the complete specification.

CLAIM UNDER SECTION 20(1) OF THE PATENT ACT

The claim made by KABEL RHEYDT AKTIENGESELLSCHAFT Under Section 20(1) of the Patent Act, 1970 to proceed the application for Patent No. 169928 in their name has been allowed.

PATENT SEALED ON 23-04-93

169491 169731 169835 169886 169888 169891 169898 169917 169982 170087 170131 170147 170169 170176 170317*D 170623 170638

Cal—09, Mas—2, Del—04 and Bom—02.

*Patent shall be deemed to be endorsed with the words "LICENCE OF RIGHT" Under Section 87 of the Patent Act, 1970 from the date of expiration of three years from the date of sealing.

D—Drug Patent, F—Food Patent.

AMENDMENT PROCEEDINGS UNDER SECTION 57

Notice is hereby given that Daya Ranjit Senanayake, a Sri Lankan citizen, of 9 Ecrin, Place, Colombo 8, Sri Lanka, have made an applicaton under secton 57 of the Patents Act, 1970 for amendment of the applicaton for Paent No. 170019 for "Barometric Direct-contact condenser".

The applicaton for amendment and the proposed amendments can be inspected free of charge at Patent Office 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed Form 30 within three months from the date of this notification at the Patent Office, Calcutta. If the written statement of opposition is not filed with the notice of opposition it shall left within one month from the date of filing the said notice.

PATENT SHALL BE DEEMED TO BE ENDORSED WITH THE WORDS "LICENCE OF RIGHT" UNDER SECTION 87.

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RENEWAL FEES PAID

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CESSATION OF PATENTS

DUE TO NON PAYMENT OF RENEWAL FEES

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RESTORATION PROCEEDINGS

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 158423 granted to Veb kombinat Fortschritt, Landmaschinen for an invention relating to "self cleaning drum for centrifugal separators".

The Patent ceased on the 15th February 1992 due to nonpayment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 10th April, 1993.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate, with the Controller of Patents, The Patent Office, Nizam Palace, 2nd M.S.O. Building, 5th, 6th and 7th floor, 234/4, Acharya Jagadish Chandra Bose Road, Calcutta-700 020 on or before the 22nd July, 1993 under Rule 69 of the Patents Rules 1972. A written statement in triplicate, setting out the nature of the opponents interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entries is the date of registration of the designs included in the entry.

Class 1. No. 164743. Kosan Teknova A/s. of 9 Mollevej, DK-2990 Nivaa, Denmark. "Safety handle for liquid gas pressure reduction valve". September 3, 1992.

Class 1. No. 164810. Shriram Industrial Enterprises Ltd. of Surya Kiran Building, 19-Kasturba Gandhi Marg, New Delhi-110001, India. "Valve plate". September 22, 1992.

Class 3. No. 164726. Balkrishna Tyres, Indian Company of 305, Creative Industrial Estate, N. M. Joshi Marg, Bombay-400011, Maharashtra, India. "Tyre" August 28, 1992.

Class 3. No. 164744. Kosan Teknova A/s, of 9, Molevej, DK-2990, Nivaa, Denmark. "Safety handle for liquid gas pressure reduction valve". September 3, 1992.

Class 3. No. 164800. Geoffrey Manners & Co. Ltd. of Magnet House, Narottam Morarjee Marg, Bombay-400038, Maharashtra, India. "Tooth brush". September 18, '92.

Class 4. No. 164939. Guerlain Societe Anonyme of 68, avenue des Champs-Elysees, Paris, France, French Company. "Flask". November 5, 1992.

Class 4. No. 165153. N. V. Philips' Gloeilampenfabrieken, Groenewoudseweg, 1, Eindhoven, The Netherlands. "Lamp". Priority date December 9, 1992 (UK).

Class 4. No. 165274. Uttar Pradesh Export Industries Ltd. of Shed No. A-11, Sector 2, Noida Industrial Estate, Ghaziabad, U.P. 201301, India. "Tray". Feb. 4, 1993.

Class 4. No. 165275. Uttar Pradesh Export Industries Ltd. of Shed No. A-11, Sector 2, Noida Industrial Estate, Ghaziabad, U.P. 201301, India. "Milk Pot". February 4, 1993.

Class 5 No. 164752. Atul Kumar Agrawal & Birendra Kumar Agarwal of Niche International at No. 613, Barton Centre, 84/1, M.G. Road, Bangalore-560001, Karnataka, India, "Cardboard box", Sept. 7, 1992.

Class 12. No. 165154. The Wellcome Foundation Ltd. of Unicorn House, 160, Euston Road, London NW1 2BP, England, British Co. "Pharmaceutical Tablet". Reciprocity date June 30, 1992. (UK).

Class 13. No. 164497. Mohan Exports (India) Ltd. Indian Co. of Mohan House, Zamrudpur Community Centre, Kailash Colony Exten., New Delhi, India. "Textile Fabric". June 29, 1992.

R. A. ACHARYA
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